

# Sectors

The V60-V62 Series product has been applied in numerous sectors including:

- Packaging
- Printing
- Process
- Primary Metal
- Machine Tools
- Automotive
- Material Handling
- Paper & Pulp
- Woodworking
- Power generation
- Plastic molding



# Data

## Technical data

### Fluids:

Compressed air, filtered to 50µm, lubricated or non-lubricated

### Pilot Options:

Solenoid or Air

### Mounting:

Individual or fixed length manifold

### Port Size:

1/8", 1/4" & 3/8" NPT

### Temperature:

14° F – 122° F (-10° C to 50° C)

### Pressure Range:

Standard Solenoid 29 – 116 PSI (2 to 8 bar)  
 Twin Solenoid 29 – 145 PSI (2 to 10 bar)  
 Air Pilot 29 – 145 PSI (2 to 10 bar)

### Flow:

Port Size	Cv (l/min)	Cv (l/min)
NPT	3/2's & 5/2's	2x3/2's & 5/3's
1/8	0.75 (750)	0.50 (500)
1/4	1.3 (1300)	0.95 (950)
3/8	2.6 (2600)	1.9 (1900)

## Materials

- Valve body: aluminum
- Spool: stainless steel
- Piston, spacers and cover: synthetic material
- Seals: NBR
- Screws: zinc
- Springs: stainless steel



# valves

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Due to our policy of continued development, Norgren reserves the right to change specifications without prior notice.

15K/9-02

NA-277

NA-277

Norgren Pneumatic

# valves



• Cv's:  
 0.75 – 2.6

• Port Size:  
 1/8" – 3/8"

• Valve Functions:  
 3/2, 2x 3/2,  
 5/2 & 5/3

# V60-62 Series



# The Industry Leader in Performance and Value

## Proven Performance



Solenoid Pilot



Air Pilot



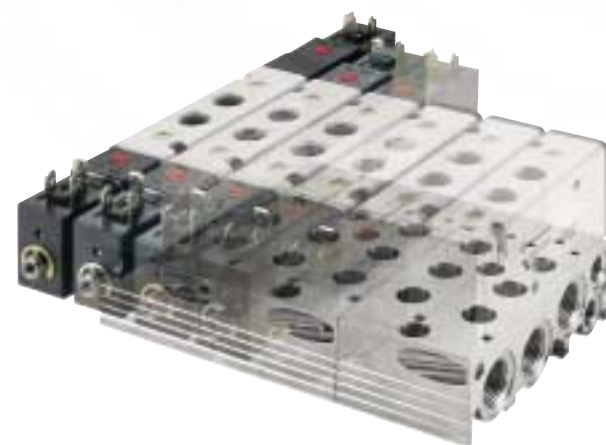
Twin Solenoid

- The most comprehensive Inline valve range with 3/2, 2 x 3/2's, 5/2 and 5/3 functions.
- Highest flow for equivalent valve size in the industry
- New Twin solenoid (Double solenoid located on one side of valve) eliminates 50% of the electrical connector costs
- Two 3/2 valve functions in one valve body
- 50 million cycles under normal operating conditions
- Available with solenoid and air pilot operators
- Available with internal and external pilot
- Low power consumption with a 2 Watt coil for all sizes
- Wide selection of voltages



### Modularity

- Individual or fixed length manifold mounting
- Modular fixed length manifold to build your required manifold length.
  - Common inlet, exhaust and external pilot to minimize connections on manifold
- 2 to 20 stations available on fixed length manifolds
- Angled screw connections on manifolds for easy assembly



## Delivering Value

One electrical connection for two solenoids reduces electrical connectors, and product cost by 50%.

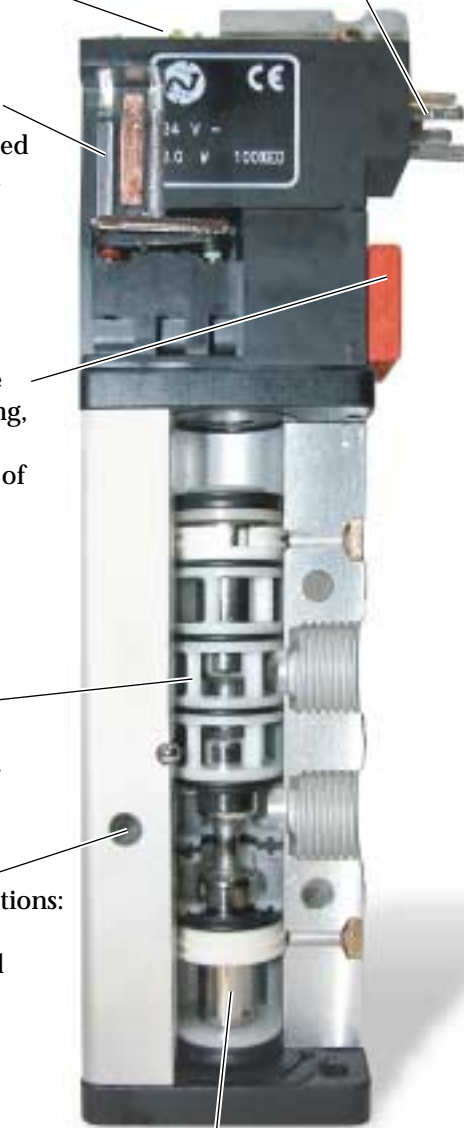
Built in LED and surge suppression – simple valve diagnostics and controller protection.

Optional twin solenoid – double solenoid valve with both solenoids located on one end of valve.

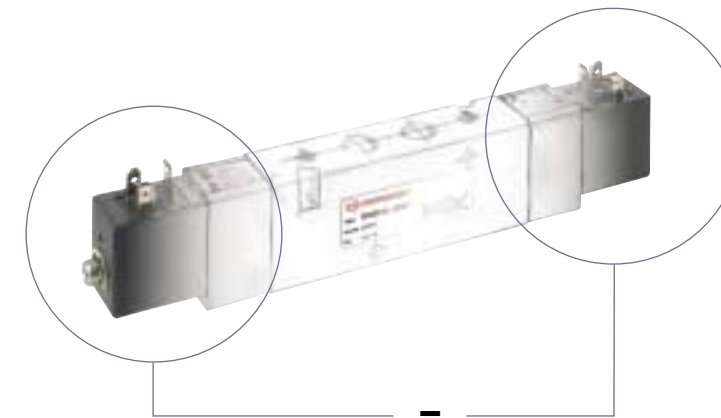
Manual override options of locking, non-locking, or without. Choice of overrides to suit application.

Static cage seal design maximizes flow and cycle life.

Easy mounting options: Individual body mounting or fixed length manifold.



Smooth stainless steel spool provides corrosion resistance and maximizes flow and cycle life.



### Twin Solenoid Advantages

- Eliminates 50% of the electrical connector costs
- Built in LED's and surge suppression
- All electrical connections located on the same side
- Both manual overrides located on the same side
- Reduces overall envelope size

### Dual 3/2's Advantages

- Two 3/2 valve functions in one valve body
- Common inlets for simplified connections
- Can incorporate the Twin Pilot options for additional cost savings
- Reduces overall envelope size



## Product Numbering Tree

V 6 0 A 5 1 7 A – A 3 1 3 J B

V60	V61	V62
P = 1/8" NPT A = 1/8" ISO G	R = 1/4" NPT B = 1/4" ISO G	S = 3/8" NPT C = 3/8" ISO G

3 = 3/2 NO 4 = 3/2 NC 5 = 5/2 6 = 5/3 APB 7 = 5/3 COE 8 = 5/3 COP A = 2 x 3/2 NC, NC B = 2 x 3/2 NO, NO C = 2 x 3/2 NO, NC
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1 = Solenoid Pilot, internal 2 = Solenoid Pilot, external D = Air Pilot
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1 = Solenoid Pilot, internal 2 = Solenoid Pilot, external 7 = Spring Return D = Air Pilot
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AA = Standard Solenoid

1 = no override 2 = locking 3 = non-locking
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12J = 12 Vdc 16J = 48 Vac 13J = 24 Vdc 18J = 120 Vac 14J = 24 Vdc 19J = 240 Vac
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A = no connector B = Cable grip 0-240 Vac/Vdc C = 6 ft molded cable, 0-240 Vac/Vdc H = Cable grip w/indicator light 24Vdc J = Cable grip w/indicator light 120Vac Z = 1/2" Conduit 0-240 Vac/Vdc 5 = 6 ft molded cable w/indicator light, surge suppression, 24Vac/Vdc 6 = 6 ft molded cable w/indicator light, surge suppression, 120Vac
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DC = Twin Pilot Solenoid

1 = no override 2 = locking 3 = non-locking
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13A = 24 Vdc twin pilot

A = no connector Y = 4-pin cable grip 0-240Vac/Vdc X = 4-pin molded cable 0-240Vac/Vdc
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AX = Air Pilot

P = 1/8" NPT A = 1/8" ISO G 5 = M5
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0200 = double air pilot 0900 = single air pilot
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